

WHAT IS CLAIMED IS:

1. A data processing apparatus which can transmit a printing job to an image recording apparatus having plural holding units each capable of holding plural sheets or an image recording apparatus capable of connecting with an option apparatus having plural holding units, said data processing apparatus comprising:

holding unit name registration means for accepting, in order to register plural discrimination names including a user name and names of plural groups to which a user corresponding to the user name belongs for each of the plural holding units of said image recording apparatus, designation of the user name and the names of the plural groups to which the user corresponding to the user name belongs, and for transmitting the designation content to said image recording apparatus;

holding unit name capture means for capturing the plural discrimination names registered to each of the holding units of said image recording apparatus, from said image recording apparatus; and

job creation means for accepting, when creating the printing job, designation that the plural discrimination names captured by said holding unit name capture means are set as sheet discharge addresses of the printing job, and actually creating the printing

job including the accepted sheet discharge address designation by the plural discrimination names.

2. An apparatus according to Claim 1, wherein
5 said holding unit name registration means also accepts designation of an E-mail address of the user corresponding to the designated user name, and transmits the designation content including the E-mail address to said image recording apparatus.

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3. An apparatus according to Claim 1, wherein the discrimination name is information representing an owner who exclusively uses the holding unit.

15 4. An apparatus according to Claim 1, wherein said holding unit name registration means inputs or selectively designates the user name and the names of the plural groups to which the user corresponding to the user name belongs in order to register the plural
20 discrimination names for each of the holding units of said image recording apparatus.

5. A data processing apparatus which can transmit a printing job to an image recording apparatus having
25 plural holding units or an image recording apparatus capable of connecting with an option apparatus having plural holding units, said data processing apparatus

comprising:

holding unit name capture means for capturing from
said image recording apparatus plural discrimination
names registered to each of the holding units of said
5 image recording apparatus, the plural discrimination
names including a user name and names of plural groups
to which a user corresponding to the user name belongs;
and

10 job creation means for accepting, when creating
the printing job, designation that the plural
discrimination names captured by said holding unit name
capture means are set as sheet discharge addresses of
the printing job, and actually creating the printing
job including the accepted sheet discharge address
15 designation by the plural discrimination names.

6. An apparatus according to Claim 5, further
comprising:

sheet discharge information capture means for
20 capturing sheet discharge end information and holding
unit monitoring information notified by said image
recording apparatus; and

display means for displaying a message to the user
on the basis of the sheet discharge end information and
25 the holding unit monitoring information captured by
said sheet discharge information capture means.

7. An apparatus according to Claim 6, wherein
said sheet discharge information capture means captures
E-mail addresses registered to all the holding units to
which the sheet discharge was performed, when a sheet
5 discharge end notification of the printing job is
received, and

transmission means is provided to transmit an E-
mail notifying the sheet discharge end to the E-mail
addresses captured by said sheet discharge information
10 capture means.

8. An apparatus according to Claim 6, wherein
said job creation means accepts designation whether or
not an E-mail notification after printing end should be
15 performed, and adds the designation whether or not the
E-mail notification should be performed to the printing
job on the basis of this designation.

9. An apparatus according to Claim 7, further
20 comprising E-mail notification designation means for
designating whether or not an E-mail notification after
printing end should be performed,

wherein, when the sheet discharge end notification
of the printing job is received by said sheet discharge
25 information capture means, said transmission means
controls the E-mail notification on the basis of a
designation state of said E-mail notification

designation means.

10. An apparatus according to Claim 7, wherein
the E-mail includes information such as a name of the
5 user designating the printing job, a content of the
printing job, the number of printing in the printing
job, the number of output copies in the printing job, a
date when the printing job was output, and the like,
and information concerning the image recording
10 apparatus from which the printing job was output.

11. An apparatus according to Claim 7, wherein
said transmission means transmits the E-mail to the E-
mail address of the user corresponding to the user name
15 registered to the holding unit to which the printing
job was discharged or the E-mail address of each user
who belongs to the group corresponding to the group
name registered to the holding unit to which the
printing job was discharged.

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12. An image recording apparatus which can sort
plural printing jobs received from plural superior
apparatuses through a predetermined communication
medium and discharge the sorted printing jobs to plural
25 holding units, said image recording apparatus
comprising:

registration means for registering in a memory

plural discrimination names to each of the holding units, the plural discrimination names including a user name and names of plural groups to which a user corresponding to the user name belongs and being
5 transmitted from each of said superior apparatuses or directly designated from an operation unit;

discrimination name notification means for notifying said superior apparatus of the plural discrimination names registered by said registration
10 means, in accordance with a request from said superior apparatus; and

sheet discharge control means for discharging the printing job to which the discrimination name has been designated to the holding unit to which the
15 discrimination name same as the discrimination name designated as a sheet discharge address to the printing job has been designated.

13. An apparatus according to Claim 12, further
20 comprising sheet discharge end notification means for notifying said superior apparatus of the end of an image recording process of the printing job, after the image recording process of the printing job was ended by said sheet discharge control means; and

25 holding unit monitoring means for always monitoring a state of each of the holding units, updating the state, and if necessary notifying said

superior apparatus of a change of the holding unit state.

14. An apparatus according to Claim 12, wherein
5 said registration means stores a discrimination name
registration content including an E-mail address
notified from said superior apparatus in the memory,
and

E-mail transmission means is provided to transmit
10 an E-mail notifying the sheet discharge end in
accordance with E-mail addresses registered to the
respective holding units to which the printing job was
discharged, after an image recording process of the
printing job was ended by said sheet discharge control
15 means.

15. An apparatus according to Claim 14, wherein
said E-mail transmission means controls whether or not
an E-mail notification should be performed, on the
20 basis of an instruction whether or not the E-mail
notification designated to the printing job should be
performed.

16. An apparatus according to Claim 13, wherein
25 said registration means stores a discrimination name
registration content including an E-mail address in the
memory, and

said sheet discharge end notification means
notifies said superior apparatus of the E-mail
addresses registered to all the holding units to which
the printing job was discharged, after the image
5 recording process of the printing job was ended by said
sheet discharge control means.

17. An apparatus according to Claim 14, wherein
the E-mail includes information such as a name of the
10 user designating the printing job, a content of the
printing job, the number of printing in the printing
job, the number of output copies in the printing job, a
date when the printing job was output, and the like,
and information concerning the image recording
15 apparatus from which the printing job was output, and

said E-mail transmission means transmits the E-
mail to the E-mail address of the user corresponding to
the user name registered to the holding unit to which
the printing job was discharged or the E-mail address
20 of the user who belongs to the group corresponding to
the group name registered to the holding unit to which
the printing job was discharged.

18. An apparatus according to Claim 12, wherein
25 the discrimination name is information representing an
owner who exclusively uses the holding unit, and is
obtained by directly inputting or selecting a name

according to a user's usage by the user on said superior apparatus or said operation unit.

19. An apparatus according to Claim 12, wherein
5 plural holding units are provided on the body of said image recording apparatus, or an option apparatus having plural holding units is connectable.

20. A control method for a data processing
10 apparatus which can transmit a printing job to an image recording apparatus having plural holding units or an image recording apparatus capable of connecting with an option apparatus having plural holding units, said method comprising:

15 a holding unit name registration step of accepting, in order to register plural discrimination names including a user name and names of plural groups to which a user corresponding to the user name belongs for each of the plural holding units of the image
20 recording apparatus, designation of the user name and the names of the plural groups to which the user corresponding to the user name belongs, and of transmitting the designation content to the image recording apparatus;

25 a holding unit name capture step of capturing the plural discrimination names registered to each of the holding units of the image recording apparatus, from

the image recording apparatus; and

a job creation step of accepting, when creating the printing job, designation that the plural discrimination names captured from the image recording apparatus are set as sheet discharge addresses of the printing job, and actually creating the printing job including the accepted sheet discharge address designation by the plural discrimination names.

21. A control method for a data processing apparatus which can transmit a printing job to an image recording apparatus having plural holding units or an image recording apparatus capable of connecting with an option apparatus having plural holding units, said method comprising:

a holding unit name capture step of capturing from the image recording apparatus plural discrimination names registered to each of the holding units of the image recording apparatus, the plural discrimination names including a user name and names of plural groups to which a user corresponding to the user name belongs; and

a job creation step of accepting, when creating the printing job, designation that the plural discrimination names captured from the image recording apparatus are set as sheet discharge addresses of the printing job, and actually creating the printing job

including the accepted sheet discharge address designation by the plural discrimination names.

22. A control method for an image recording
5 apparatus which can sort printing jobs received from plural superior apparatuses through a predetermined communication medium and discharge the sorted printing jobs to plural holding units, said method comprising:
a registration step of registering in a memory
10 plural discrimination names to each of the holding units, the plural discrimination names including a user name and names of plural groups to which a user corresponding to the user name belongs and being transmitted from each of said superior apparatuses or
15 directly designated from an operation unit;
a discrimination name notification step of notifying the superior apparatus of the registered plural discrimination names, in accordance with a request from the superior apparatus; and
20 a sheet discharge step of discharging the printing job to which the discrimination name has been designated to the holding unit to which the discrimination name same as the discrimination name designated as a sheet discharge address to the printing
25 job has been designated.

23. A storage medium which computer-readably

stores a program for causing a data processing
apparatus which can transmit a printing job to an image
recording apparatus having plural holding units or an
image recording apparatus capable of connecting with an
5 option apparatus having plural holding units, to
execute:

a holding unit name registration step of
accepting, in order to register plural discrimination
names including a user name and names of plural groups
10 to which a user corresponding to the user name belongs
for each of the plural holding units of the image
recording apparatus, designation of the user name and
the names of the plural groups to which the user
corresponding to the user name belongs, and of
15 transmitting the designation content to the image
recording apparatus;

a holding unit name capture step of capturing the
plural discrimination names registered to each of the
holding units of the image recording apparatus, from
20 the image recording apparatus; and

a job creation step of accepting, when creating
the printing job, designation that the plural
discrimination names captured from the image recording
apparatus are set as sheet discharge addresses of the
25 printing job, and actually creating the printing job
including the accepted sheet discharge address
designation by the plural discrimination names.

24. A storage medium which computer-readably stores a program for causing a data processing apparatus which can transmit a printing job to an image recording apparatus having plural holding units or an
5 image recording apparatus capable of connecting with an option apparatus having plural holding units, to execute:

a holding unit name capture step of capturing from the image recording apparatus plural discrimination
10 names registered to each of the holding units of the image recording apparatus, the plural discrimination names including a user name and names of plural groups to which a user corresponding to the user name belongs; and

15 a job creation step of accepting, when creating the printing job, designation that the plural discrimination names captured from the image recording apparatus are set as sheet discharge addresses of the printing job, and actually creating the printing job
20 including the accepted sheet discharge address designation by the plural discrimination names.

25. A storage medium which computer-readably stores a program for causing an image recording
25 apparatus which can sort printing jobs received from plural superior apparatuses through a predetermined communication medium and discharge the sorted printing

jobs to plural holding units, to execute:

a registration step of registering in a memory plural discrimination names to each of the holding units, the plural discrimination names including a user name and names of plural groups to which a user corresponding to the user name belongs and being transmitted from each of said superior apparatuses or directly designated from an operation unit;

a discrimination name notification step of notifying the superior apparatus of the registered plural discrimination names, in accordance with a request from the superior apparatus; and

a sheet discharge step of discharging the printing job to which the discrimination name has been designated to the holding unit to which the discrimination name same as the discrimination name designated as a sheet discharge address to the printing job has been designated.

26. An image recording apparatus which can connect with a sheet processing apparatus having plural storage units capable of storing sheets, comprising:

reception means for receiving data including image data from a remote data processing apparatus;

image recording means for recording an image based on the received image data, on a sheet; and

control means for performing control, according as

first data instructing to distribute the sheets to the storage unit belonging to which of plural groups of the grouped storage units is included in the data received from said remote data processing apparatus, to

5 distribute the sheets on which the image data from said remote data processing apparatus has been recorded to the storage unit belonging to the group according to the first data.

10 27. An apparatus according to Claim 26, wherein, when second data discriminatingly instructing for each storage unit to distribute the sheets to which of the plural storage units is included in the data received from said remote data processing apparatus together
15 with the first data, said control means performs control to distribute the sheets on which the image data from said remote data processing apparatus has been recorded to the storage units belonging to the group according to the first data and the storage unit
20 according to the second data.

28. An apparatus according to Claim 26, wherein, according as the first data is included in the data received from said remote data processing apparatus,
25 the image recording of the image data of a same page is performed plural times without receiving the image data of the same page from said remote data processing

apparatus plural times.

29. An apparatus according to Claim 27, further comprising notification means for notifying each user
5 belonging to the group according to the first data and a user according to the second data that the sheets were distributed.

30. A data processing apparatus which can
10 transmit data including image data to be recorded, to an image recording apparatus capable of connecting with a sheet processing apparatus having plural storage units capable of storing sheets, said data processing apparatus comprising:

15 generation means for generating first data based on an operator's instruction for instructing to distribute the sheets to the storage units belonging to which of plural groups of the grouped storage units; and

20 transmission means for correlating the first data with the image data and transmitting the correlated data to said image recording apparatus.

31. An apparatus according to Claim 30, wherein
25 said generation means can generate, together with the first data, second data based on an operator's instruction for discriminatingly instructing for each

storage unit to distribute the sheets to which of the plural storage units, and

5 said transmission means can make as the data to be transmitted to said image recording apparatus a set of the first data and the second data, correlate the set of the data with the image data, and transmit the correlated data.

10 32. An apparatus according to Claim 31, further comprising capture means for capturing storage unit information output from said image recording apparatus and previously set for the plural storage units, in accordance with a request from said data processing apparatus; and

15 display control means for causing a display unit to display a screen based on the captured information,

 wherein said transmission means can make the set of the first data and the second data both generated based on the operator's instructions input through said
20 screen as the data to be transmitted to said image recording apparatus, correlate the set of the data with the image data, and transmit the correlated data.

25 33. A control method for an image recording apparatus which can connect with a sheet processing apparatus having plural storage units capable of storing sheets, said method comprising:

a reception step of receiving data including image data from a remote data processing apparatus;

an image recording step of recording an image based on the received image data, on a sheet; and

5 a control step of performing control, according as first data instructing to distribute the sheets to the storage unit belonging to which of plural groups of the grouped storage units is included in the data received from the remote data processing apparatus, to
10 distribute the sheets on which the image data from the remote data processing apparatus has been recorded to the storage unit belonging to the group according to the first data.

15 34. A computer-readable storage medium which stores a program to cause an image recording apparatus which can connect with a sheet processing apparatus having plural storage units capable of storing sheets, to execute:

20 a reception step of receiving data including image data from a remote data processing apparatus;

an image recording step of recording an image based on the received image data, on a sheet; and

25 a control step of performing control, according as first data instructing to distribute the sheets to the storage unit belonging to which of plural groups of the grouped storage units is included in the data received

from the remote data processing apparatus, to
distribute the sheets on which the image data from the
remote data processing apparatus has been recorded to
the storage unit belonging to the group according to
5 the first data.

35. A data processing method which can transmit
data including image data to be recorded, to an image
recording apparatus capable of connecting with a sheet
10 processing apparatus having plural storage units
capable of storing sheets, said method comprising:

a generation step of generating first data based
on an operator's instruction for instructing to
distribute the sheets to the storage units belonging to
15 which of plural groups of the grouped storage units;
and

a transmission step of correlating the first data
with the image data and transmitting the correlated
data to the image recording apparatus.

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36. A computer-readable storage medium which
stores a program to cause a data processing apparatus
which can transmit data including image data to be
recorded, to an image recording apparatus capable of
25 connecting with a sheet processing apparatus having
plural storage units capable of storing sheets, to
execute:

a generation step of generating first data based
on an operator's instruction for instructing to
distribute the sheets to the storage units belonging to
which of plural groups of the grouped storage units;
5 and

a transmission step of correlating the first data
with the image data and transmitting the correlated
data to the image recording apparatus.